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PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Peter-Pike Johannes Sloan, et al.

Confirmation No.: 9186

Application No.: 10/815,141

Group Art Unit: 2875

Filing Date: March 31, 2004

Examiner: Not Yet Assigned

For: **SYSTEMS AND METHODS FOR ROBUST SAMPLING FOR REAL-TIME
RELIGHTING OF OBJECTS IN NATURAL LIGHTING ENVIRONMENTS**

DATE OF DEPOSIT:

JUNE 6, 2006

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

TYPED NAME: Jonathan M. Waldman
REGISTRATION NO.: 40,861

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of

the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- ☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.116 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of **\$180.00** as set forth in § 1.17(p) is attached.

- ☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of **\$180.00** as set forth in § 1.17(p).

- ☒ Copies of reference numbers **1 thru 6** listed on the attached Form PTO-1449 are enclosed herewith.

- ☐ Copies of reference numbers - on the attached Form PTO 1449 are not required to be submitted pursuant to 37 CFR § 1.98(a)(2)(i).

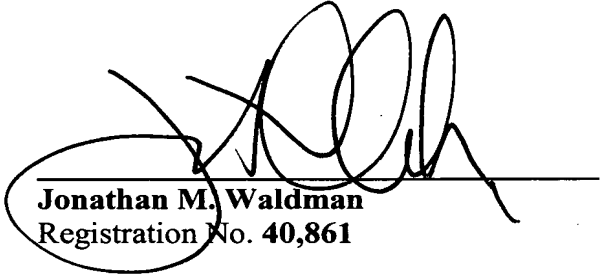
- ☐ Copies of references - are not being submitted because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application number , filed for which a claim for priority under 35 U.S.C. § 120 has been made in the instant application.

The reference(s) cited on the attached PTO-1449 form was/were cited in the
International Search Report Written Opinion dated **May 11, 2006** that was received
in the corresponding PCT application.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-
3050. This form is submitted in duplicate.

Date:

JUNE 6, 2006



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Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. MSFT-2901/306874.02	Application No. 10/815,141
	Applicant Peter-Pike Johannes Sloan, et al.	
	Filing Date March 31, 2004	Group 2875
	Confirmation No. 9186	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
1	Kautz, J. et al., "Fast, Arbitrary BRDF Shading for Low-Frequency Lighting Using Spherical Harmonics", <i>13 th Eurographics Workshop on Rendering</i> , 2002 , 28, 291-296, 335, XP 002377563	
2	Křivanek, J. et al., "Adaptive Mesh Subdivision for Precomputed Radiance Transfer", <i>Proceedings of the 20th Conference on Computer Graphics</i> , 2004 , 106-111, XP-002377559	
3	Lehtinen, J. et al., "Matrix Radiance Transfer", <i>Proceedings of the 2003 Symposium on Interactive 3d Graphics</i> , 2003 , 59-64, 237, XP 002377562	
4	Sloan, P.P. et al., "Bi-Scale Radiance Transfer", <i>ACM Transactions on Graphics</i> , 2003 , 22(3), 370-375, XP-002377558	
5	Sloan, P.P. et al., "Precomputed Radiance Transfer for Real-Time Rendering in Dynamic, Low-Frequency Lighting Environments", <i>Proceedings of the 29th Annual Conference on Computer Graphics and Interactive Techniques</i> , 2002 , 21(3), 527-536, XP-002377560	
6	Sloan, P.P. et al., "Clustered Principal Components for Precomputed Radiance Transfer", <i>ACM Transactions on Graphics</i> , 2003 , 22(2), 382-391, XP002377561	
EXAMINER		DATE CONSIDERED